BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Modified Estimate for Construction of RCC Drain in Pillegowda Layout Main Road to Vidyaranyapura Main Road in Ward No. 10, Vidyaranyapura Sub Division.

010-18-000060	P-3158				Estimate Cost:		4848171.00
Description	Unit	No.	L	B	D	Qty	Rate	Amount
1 KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
Main Road		2	250.00	1.00	0.90	450.00		
Cross Road		2	46.00	1.00	0.90	82.80		
HMT Main Road		1	185.00	0.90	0.50	83.25		
						616.05	180.00	**110889.00**
2 KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2016-17**	Cum							
Nanjappa layout Cross Road		2	250.00	1.00	0.15	75.00		
Cross Road		2	46.00	1.00	0.15	13.80		
						88.80	5000.00	**444000.00**
3 Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2016-17**	Cum							
Drain Bottom Concrete		2	250.00	0.90	0.15	67.50		
		2	46.00	0.90	0.15	12.42		
Side Wall		4	250.00	0.15	0.60	90.00		
		4	46.00	0.15	0.60	16.56		
						186.48	6130.00	**1143122.00**
4 KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2016-17**	Tonne							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
For Drain @ Consider 60 Kg / Cum		0.06	186.48			**11.19**	64000.00	**716083.00**
KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4-6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2016-17**	Sqm							
Side Wall		2x4	250.00		0.60	1200.00		
		2x4	46.00		0.60	220.80		
						1420.80	300.00	**426240.00**
Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 25 / Item No. 5.31.1/ PWD SR 2016-17**	Sqm							
For Covering Slab		2	250.00		0.90	450.00		
		2	46.00		0.90	82.80		
		1	185.00		1.50	277.50		
						810.30	660.00	**534798.00**
KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 24 / Item No. 5.22 / PWD SR 2016-17**	m							
		987	3.00			2960.00		
		116	4.20			485.63		
						3445.63	35.00	**120597.00**
KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 24 / Item No. 5.18 / PWD SR 2016-17**	Sqm							
		Qty Vide Item No. 6				810.30		
						810.30	950.00	**769785.00**
KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs** with **20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2016-17**	Cum							
Ramp		2	250.00	0.30	0.10	15.00		
		2	46.00	0.30	0.10	2.76		
HMR Drain Vent		2	185.00	0.45	0.10	16.65		
Total Qty						**34.41**		
Qty upto 125%						**28.35**	300.00	**8505.00**
Qty Above 125%						**6.06**	5631.22	**34125.00**
2018-19 Basic Rate	5422.00							
Area Weightage @ 6%	325.32							
Total	**5747.32**							
Tender Premium @ -2.02%	**-116.10**							
Total	**5631.22**							

S. No.	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	EIRL								
	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 **Page No. 139 / Item No. 18.19, PWD SR 2018-19**	Cum							
	HMT Main Road		1	185.00	1.80	0.15	49.95		
	Basic Rate	1589.00					**49.95**	1760.49	**87936.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		1695.08							
	Area Weightage @ 6%	101.70							
	Sub Total	**1796.78**							
	Tender Premium @ -2.02%	**-36.30**							
	Total	**1760.49**							
	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 25 / Item No. 5.9, PWD SR 2018-19**	Cum							
			2	185.00	0.45	0.23	38.30		
	Basic Rate	5483.00					**38.30**	5694.58	**218074.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
	Tender Premium @ -2.02%	**-117.40**							
	Total	**5694.58**							
	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
			2	185.00		0.90	333.00		
	Basic Rate	142.00					**333.00**	147.48	**49111.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
	Tender Premium @ -2.02%	**-3.04**							
	Total	**147.48**							
	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc. complete **Page No. 27 / Item No. 5.30 PWD SR 2018-19**	No							
	Kerb Stone		1	185.00			411		
				0.45					

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Basic Rate	408.00					**411**	423.74	**174206.00**
Area Weightage @ 6%	24.48							
Total	**432.48**							
Tender Premium @ -2.02%	**-8.74**							
Total	**423.74**							
KSRB 15-19.1 : Providing and applying ready mix priming coat **over concrete** / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 124 / Item No. Item No. 15.80, PWD SR 2018-19**	Sqm							
Kerb Stone Painting		1	185.00		0.45	83.25		
Basic Rate	37.00					**83.25**	38.43	**3199.00**
Area Weightage @ 6%	2.22							
Total	**39.22**							
Tender Premium @ -2.02%	**-0.79**							
Total	**38.43**							
KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.**Page No. 124 / Item No. Item No. 15.81, PWD SR 2018-19**	Sqm							
		Qty Vide Item No. E5				83.25		
Basic Rate	85.00					**83.25**	90.10	**7501.00**
Area Weightage @ 6%	5.10							
Total	**90.10**							
Total								**4848171.00**
Rupees Forty Eight Lakh(s) Forty Eight Thousand One Hundred Seventy One Only								

CERTIFICATE:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2016-17, 2018-19 +/- Tender Premium.
3. This work included under 2017-18 P-3158 SIP Infrastructure Project Works.
4. The provisions were made in this estimate are necessary and adequate.
5. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Approval
Accorded For Rs 4848171/-
Head of A/C P3158
CER NO :07 Dt:19.02.2019

JA

CE (YNK)